

ABSTRACT OF THE DISCLOSURE

The present invention provides a disk array control apparatus comprising a disk array control unit, an interface converter and a network interface unit. The disk array control unit has a parallel interface for transmitting and receiving a plurality of parallel signals and a shared bus interface for transmitting and receiving stored data. The interface converter converts the parallel signals into corresponding differential signals when receiving the parallel signals from the disk array control unit, and converts a plurality of external differential signals into the corresponding parallel signals when the disk array control unit receiving data from the parallel interface. The network interface unit has a network I/O port connecting with an external network. The network interface unit is also connected to the shared bus interface. The stored data is passed from the shared bus interface through the network I/O port to the external network, and the remote data is passed from the external network through the network I/O port to the shared bus interface.